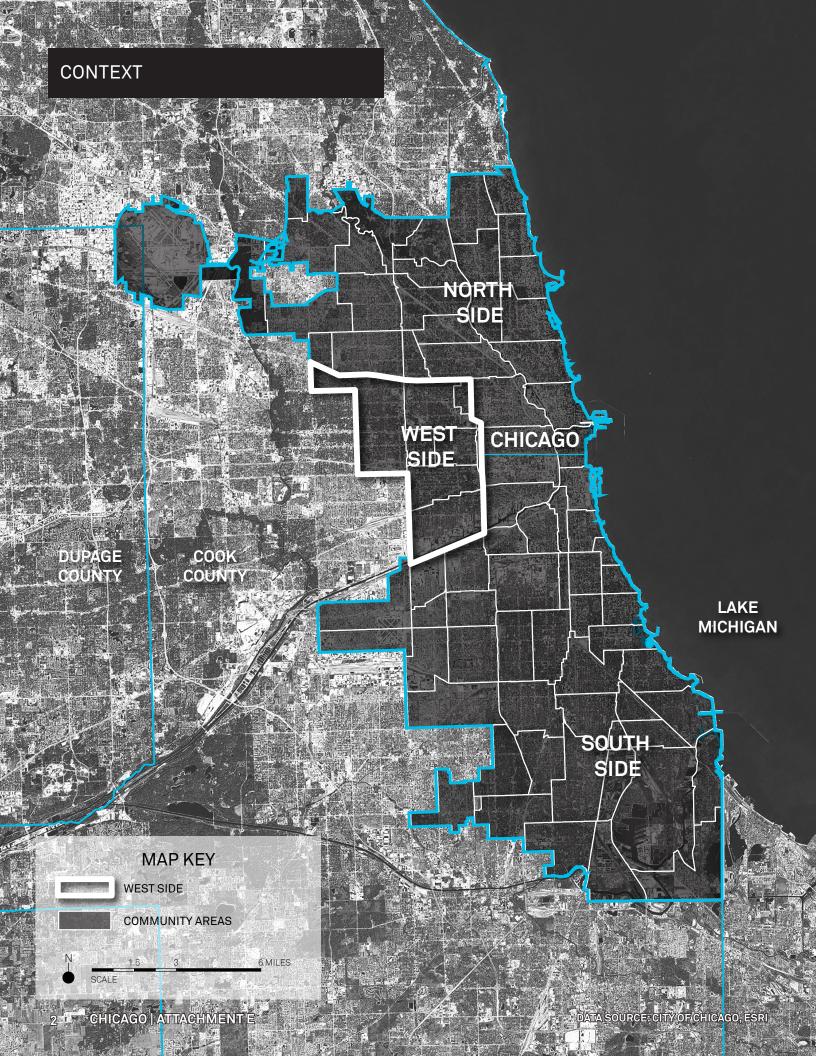






RESILIENT NEIGHBORHOODS IN CHICAGO



WEST SIDE



296,325 Population



645 Acres of **Park Land**



60,986 Jobs



HUMBOLDT PARK

Major Transit Rail Lines



Bike Sharing Stations

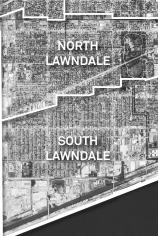
23



132 Schools



3,007
Vacant Lots



Manufacturing + Industry



Community Gardens



Multi-family Housing



Commercial Corridors



Schools

Transit

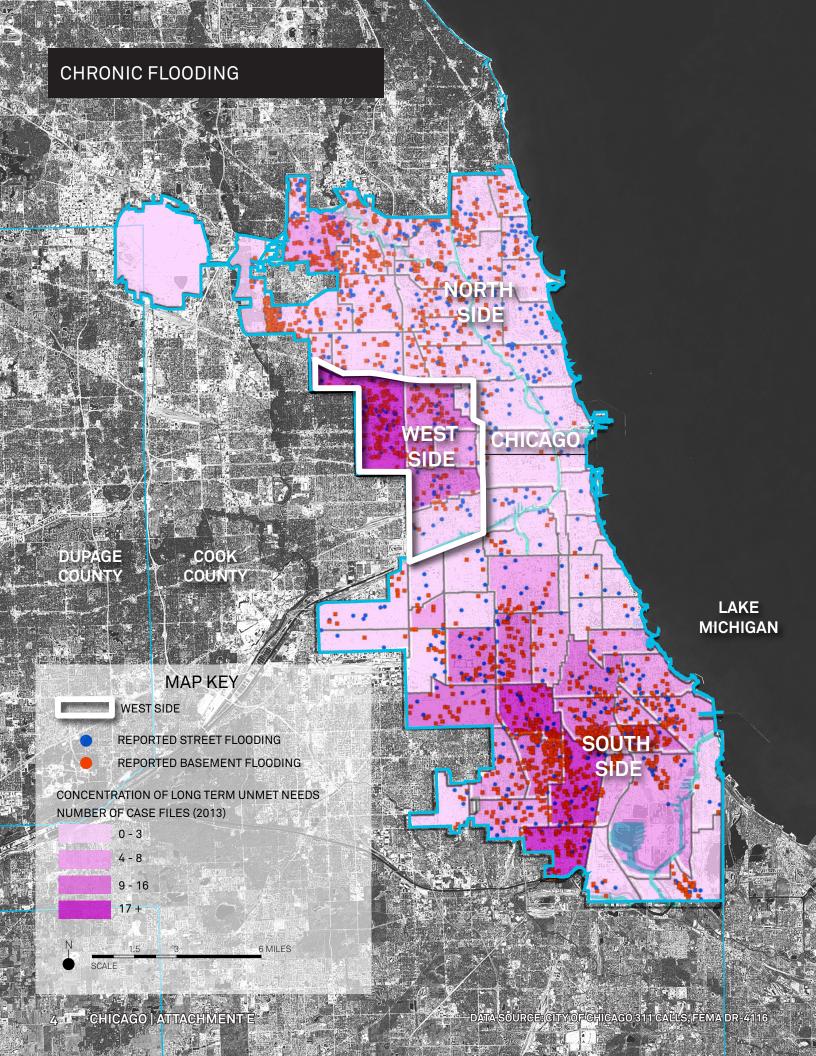


Parks



Historic Houses





TYPES OF FLOODING







BUSINESSES



STREETS

2013 FLOODING IMPACTS

CITY-WIDE REPORTED FLOODING DURING APRIL 2013 SEVERE STORM:

BASEMENT FLOOD CALLS

STREET FLOOD CALLS

CITY-WIDE REPORTED FEMA ASSISTANCE:







NEST SIDE

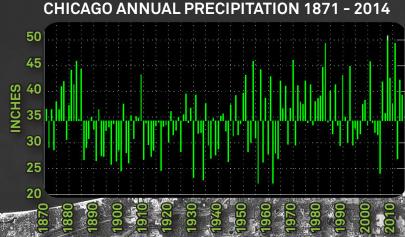
INDIVIDUALS/ **HOUSEHOLDS**

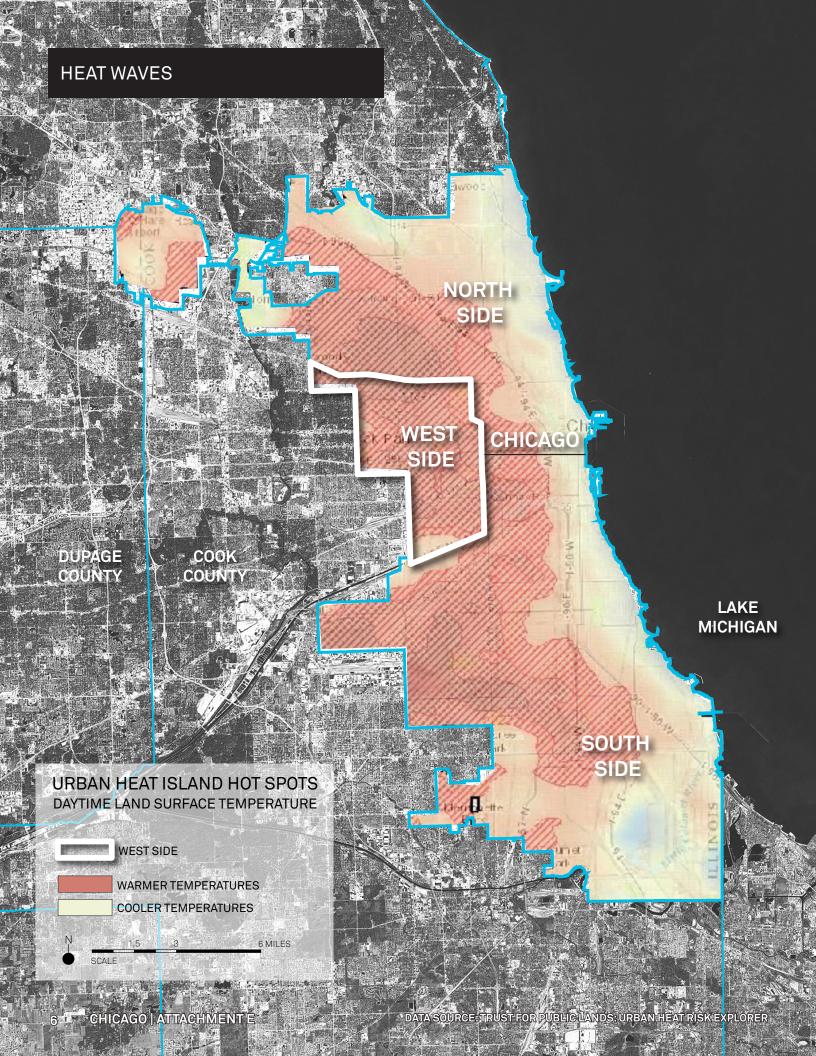


FEMA HOUSEHOLD



SEVERE RAIN + SNOW EVENTS



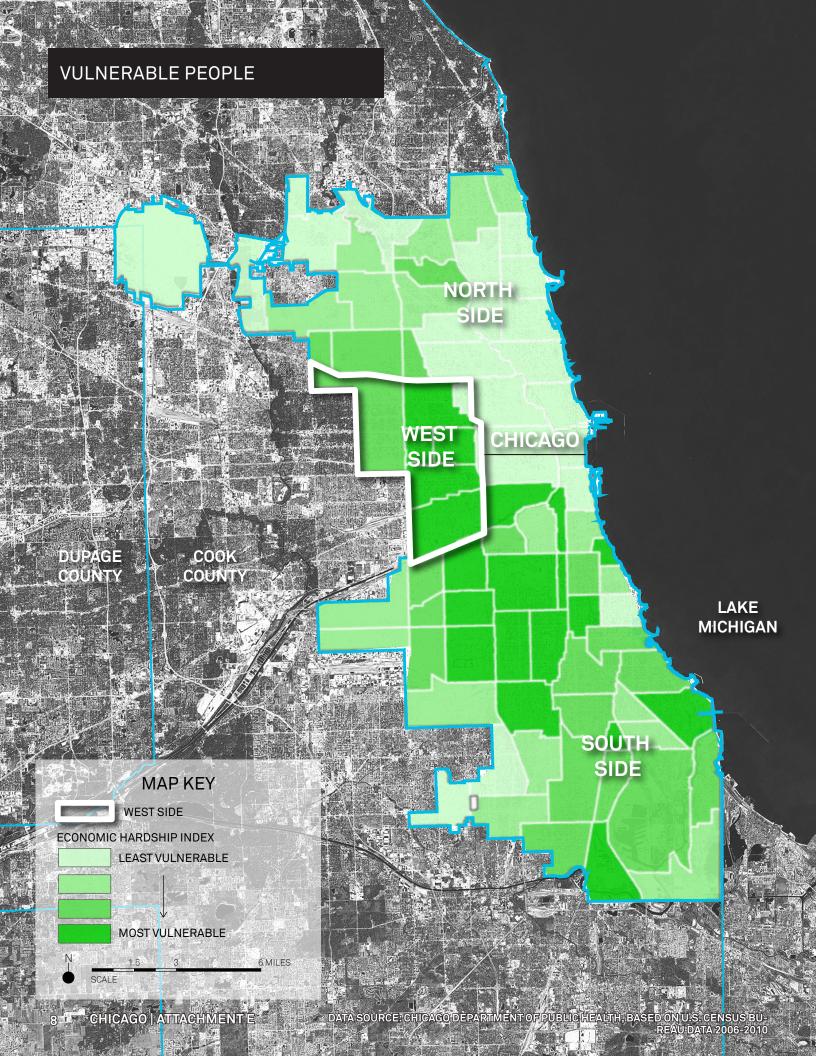


CHANGING CLIMATE IN CHICAGO









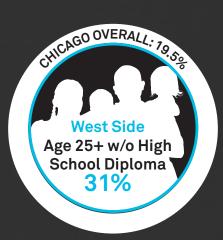
VULNERABLE PEOPLE













WEST SIDE RACIAL/ETHNIC MAJORITIES IN 2013



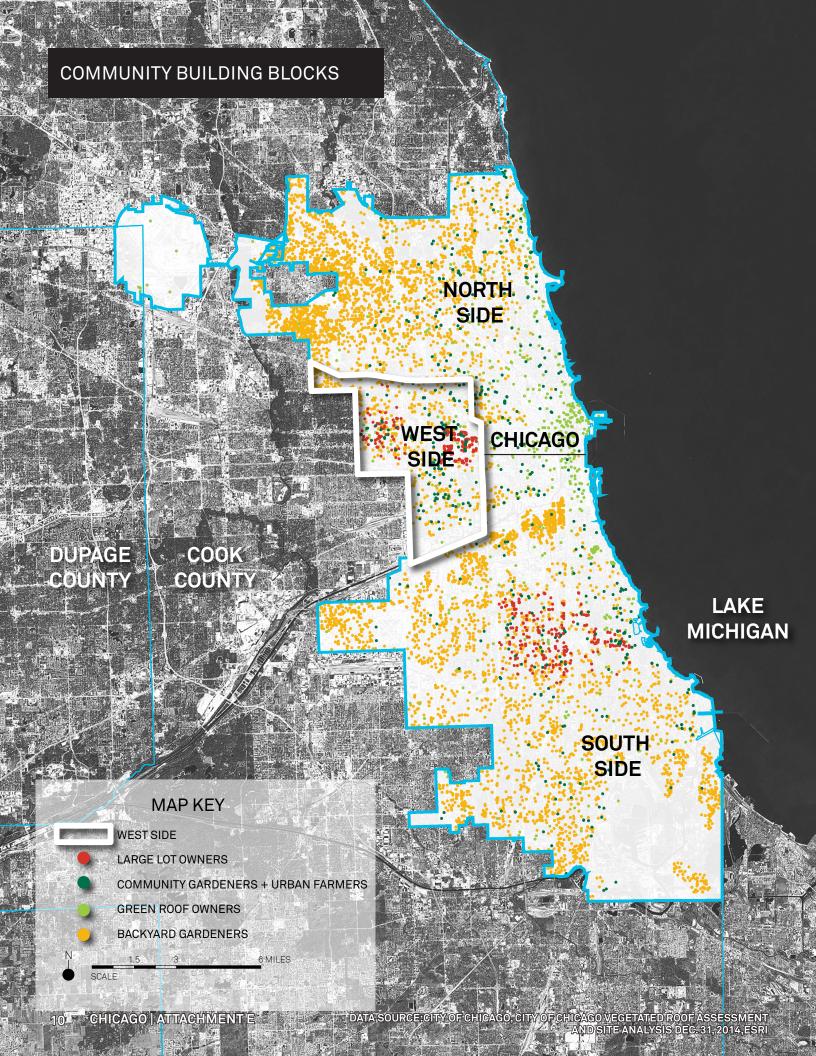












GOVERNMENT BUILDING BLOCKS



GUIDING PLANS

- Chicago Sustainable Industries Business Plan
- Sustainable Chicago
- Chicago Climate Action Plan
- Green Stormwater Infrastructure Strategy



INFRASTRUCTURE POLICY AND INVESTMENT COORDINATION

- Complete Streets Design Guidelines
- Sustainable Urban Infrastructure Guidelines and Policies
- Streets for People: Placemaking in the Public Way
- Chicago Neighborhoods Now
- Building a New Chicago



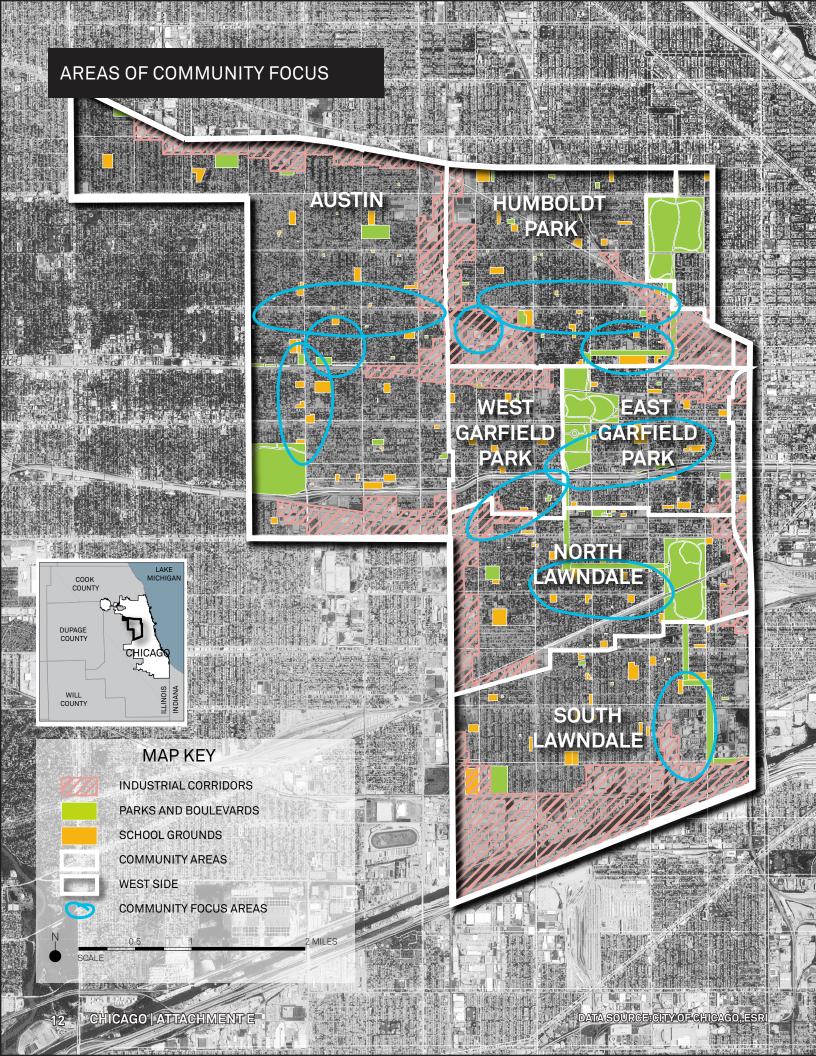
POLICIES + PROGRAMS FOR PRIVATE DEVELOPMENT

- Sustainable Development Policy
- Stormwater Management Ordinance
- Large Lot Program

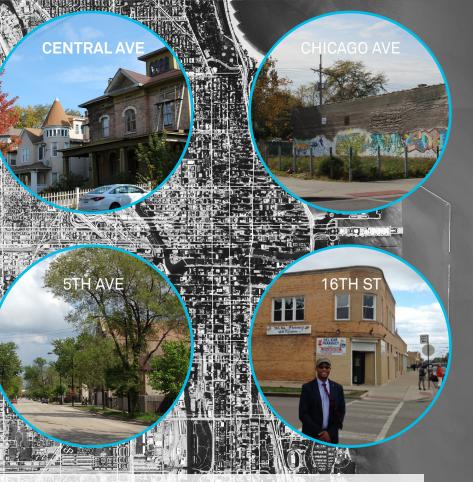


PUBLIC GREEN INFRASTRUCTURE INVESTMENTS

- Green Alleys
- Space to Grow
- Urban Agriculture
- Complete Streets
- Green Roofs
- Trees
- Planted Medians



EXAMPLES OF COMMUNITY FOCUS







- 1. Formed Chicago Resiliency Team (CRT)
 - 2. Identified community areas and organizations OCT-DEC

2014

3. CRT

refined approach

JAN-MAR 2015

4. Presented resiliency issues at community meetings and surveyed businesses

5. 1 on 1 meetings with community and business leaders to ID land use priorities

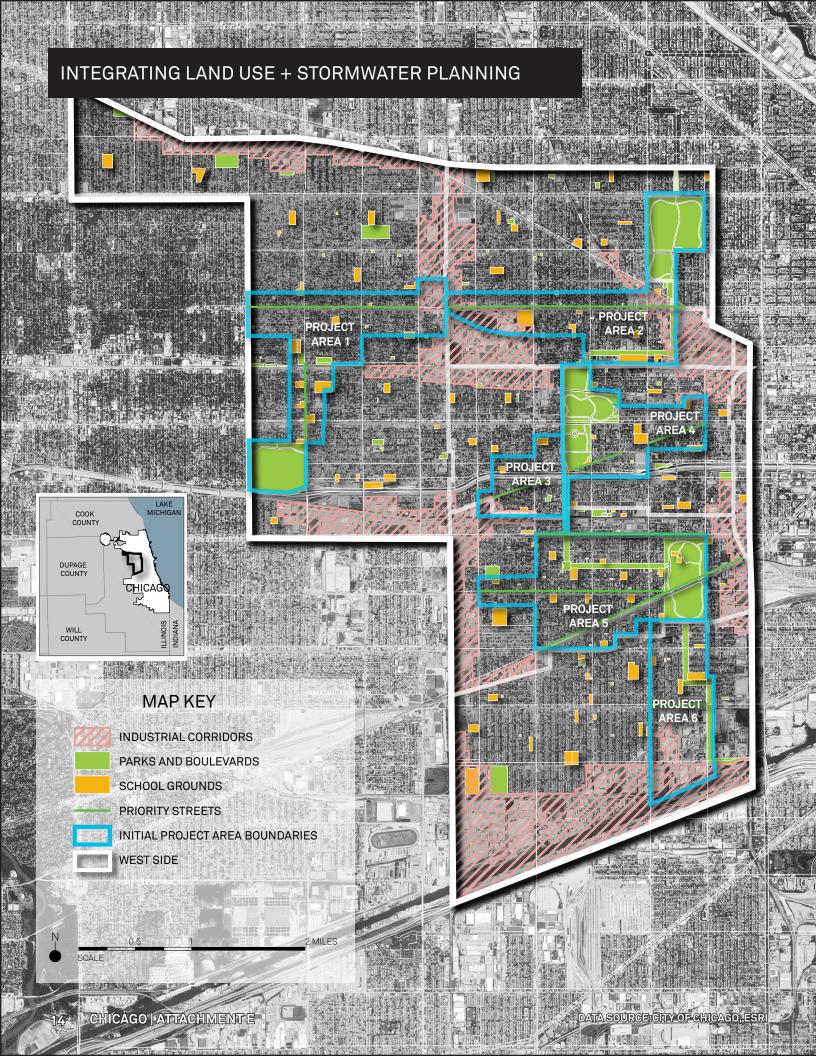
> 6. CRT adds partners and outlines potential project areas

> > **MAR-JUN** 2015

JULY-OCT 2015

- 8. Engaged consultants and used modeling to refine project areas
- 7. Held community workshops to discuss results and intervention options

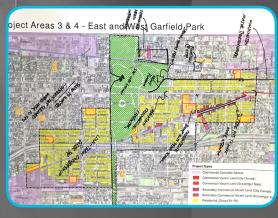
CHICAGO | ATTACHMENT E



INTEGRATING COMMUNITY INTEREST







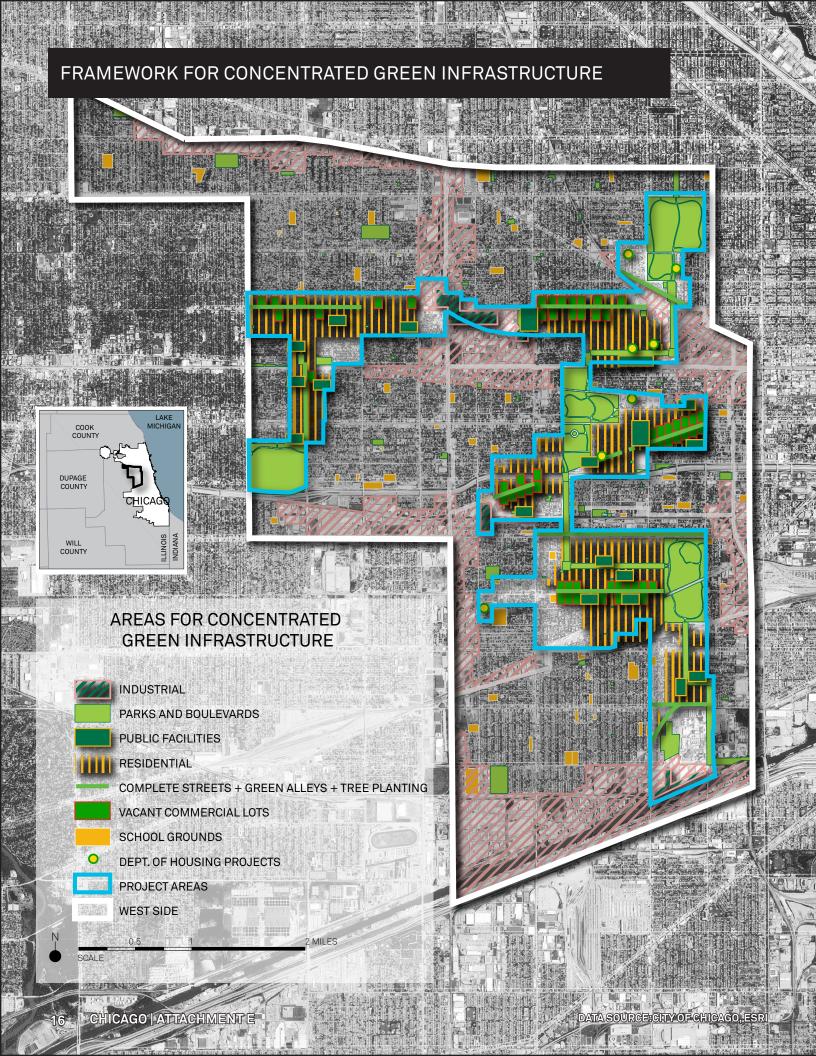










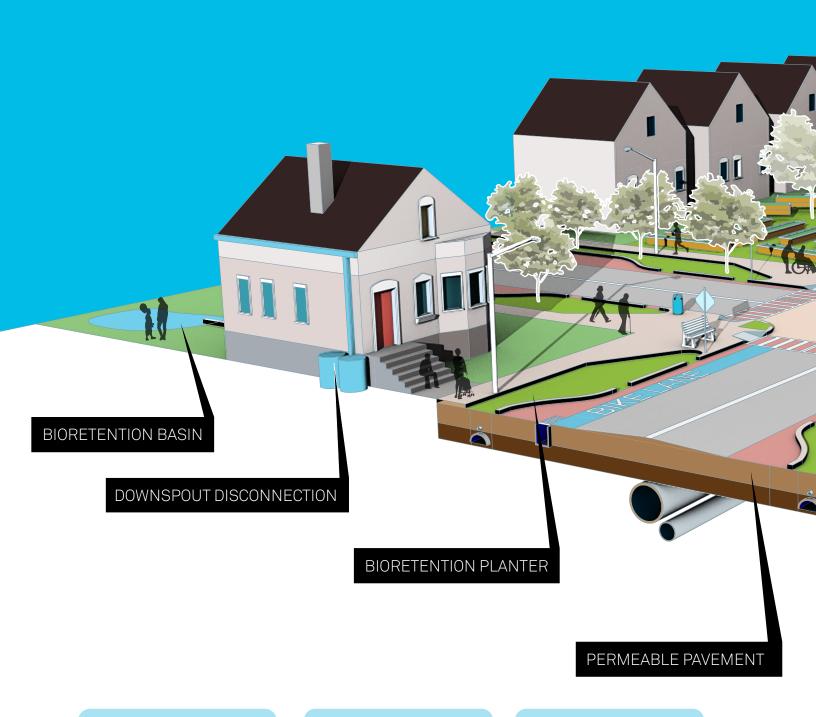


FRAMEWORK FOR CONCENTRATED GREEN INFRASTRUCTURE



NEIGHBORHOODS				
COMMERCIAL + INDUSTRIAL CORRIDORS				
PARKS + BOULEVARDS				
	DETENTION BASIN	DOWNSPOUT DISCONNECTION	BIORETENTION BASIN	FLOW-THROUGH PLANTER (BIORETENTION)

NEIGHBORHOODS				
COMMERCIAL + INDUSTRIAL CORRIDORS				
PARKS + BOULEVARDS				
	RAINWATER HARVESTING	PERMEABLE PAVEMENT	URBAN AGRICULTURE	STREET TREE PLANTING



GREEN INFRASTRUCTURE

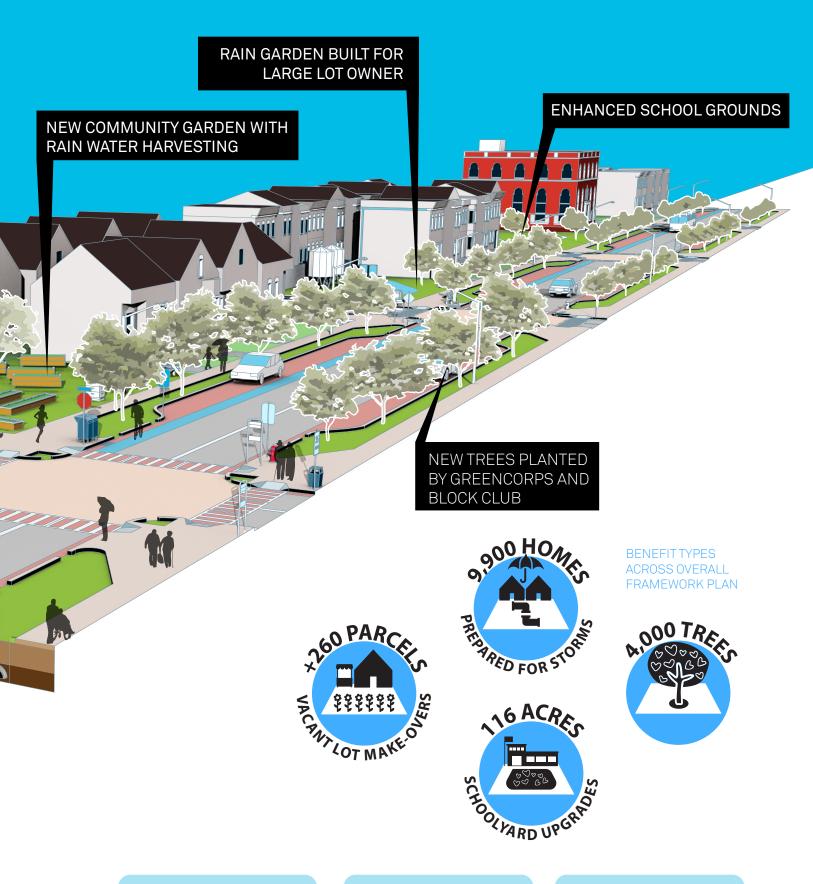
Reduce private property damage from flooding

TREE PLANTING

Increase residential property values

REDESIGN STREETS

Reduce traffic accidents



INCREASE GREEN SPACE

Improved living environment

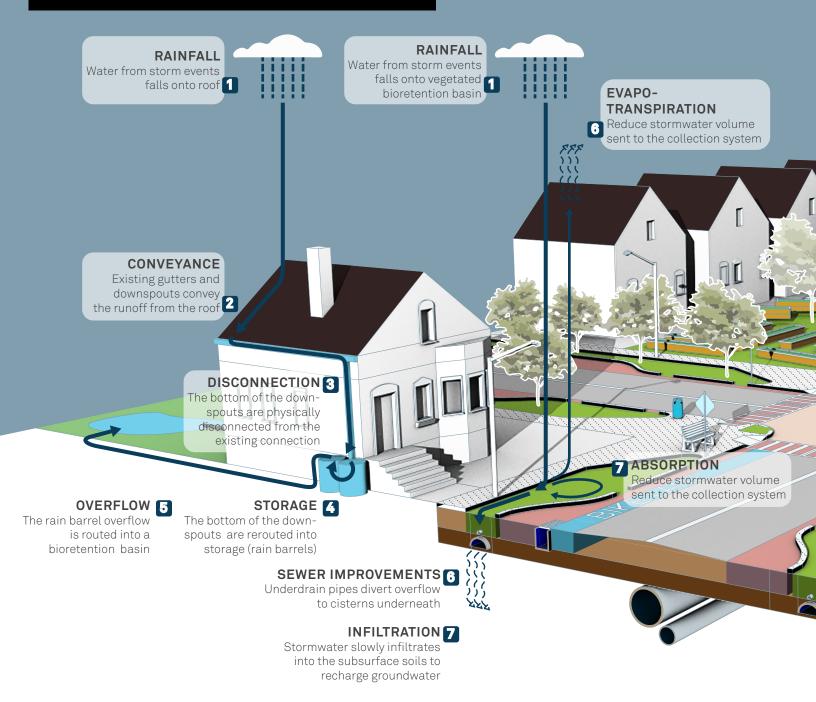
JOB CREATION

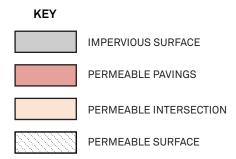
Provide Greencorps jobs and workforce development

NEW TREES

Absorb pollutants, reduce CO2 and remove particulates

GREEN INFRASTRUCTURE PERFORMANCE IN THE NEIGHBORHOODS







DOWNSPOUT DISCONNECTION



NEIGHBORHOOD TOOLS



BIORETENTION BASIN



FLOW-THROUGH PLANTER (BIORETENTION)



RAINWATER HARVESTING



PERMEABLE PAVEMENT



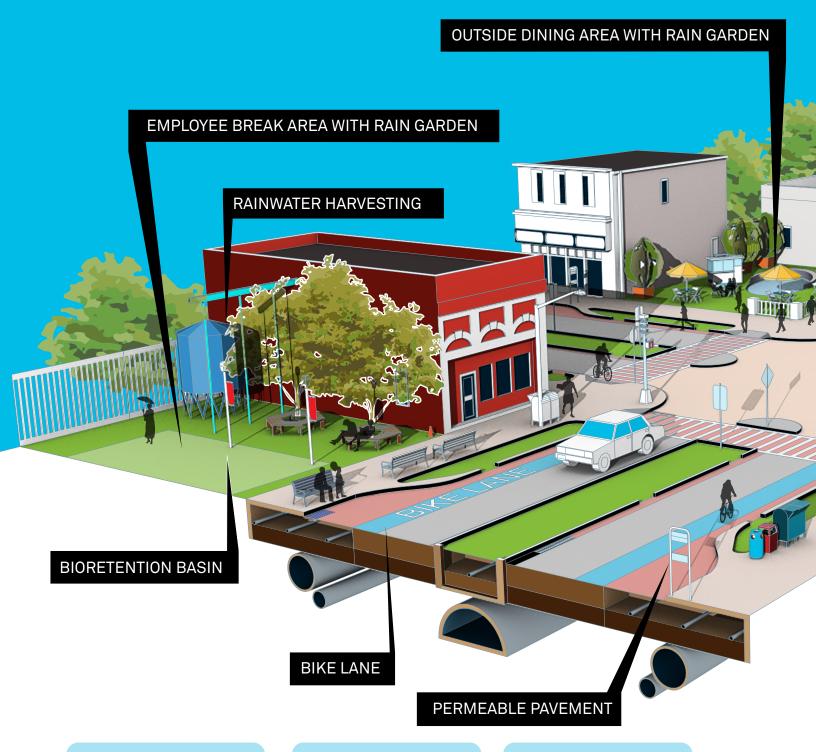
URBAN AGRICULTURE



STREET TREE PLANTING







RETAIL SALES

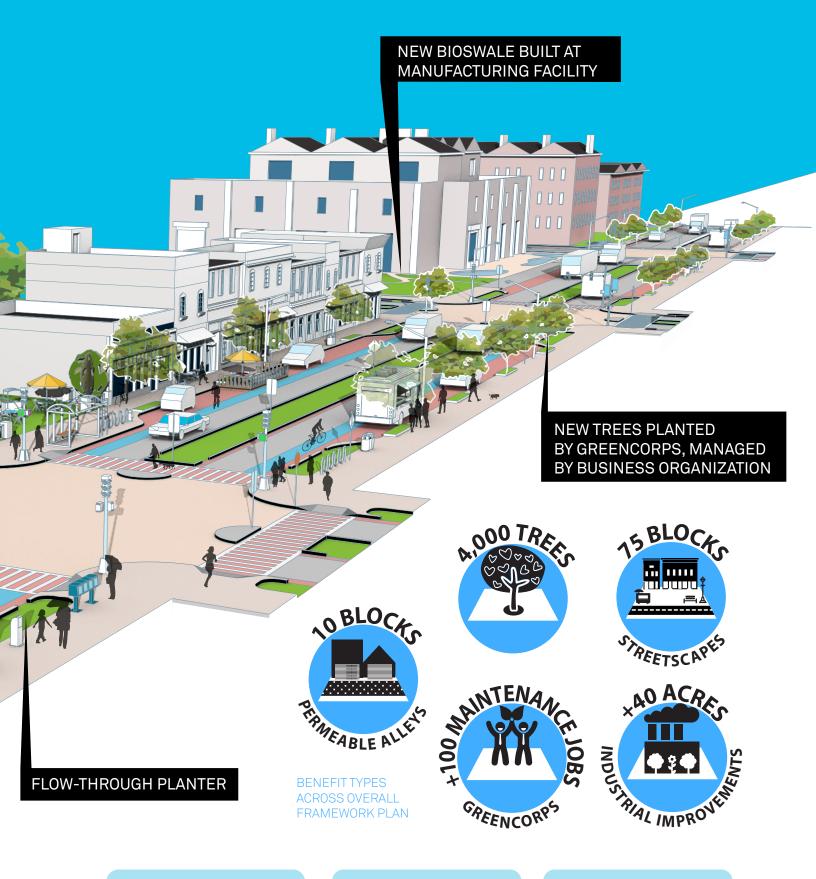
Revitalize local shopping district via landscaping

PROJECT CONSTRUCTION

Generate construction and engineering jobs

NEW BIKE LANES

Reduce number of accidents and car crashes with decreased automobile use



GREEN INFRASTRUCTURE

Improve neighborhood safety

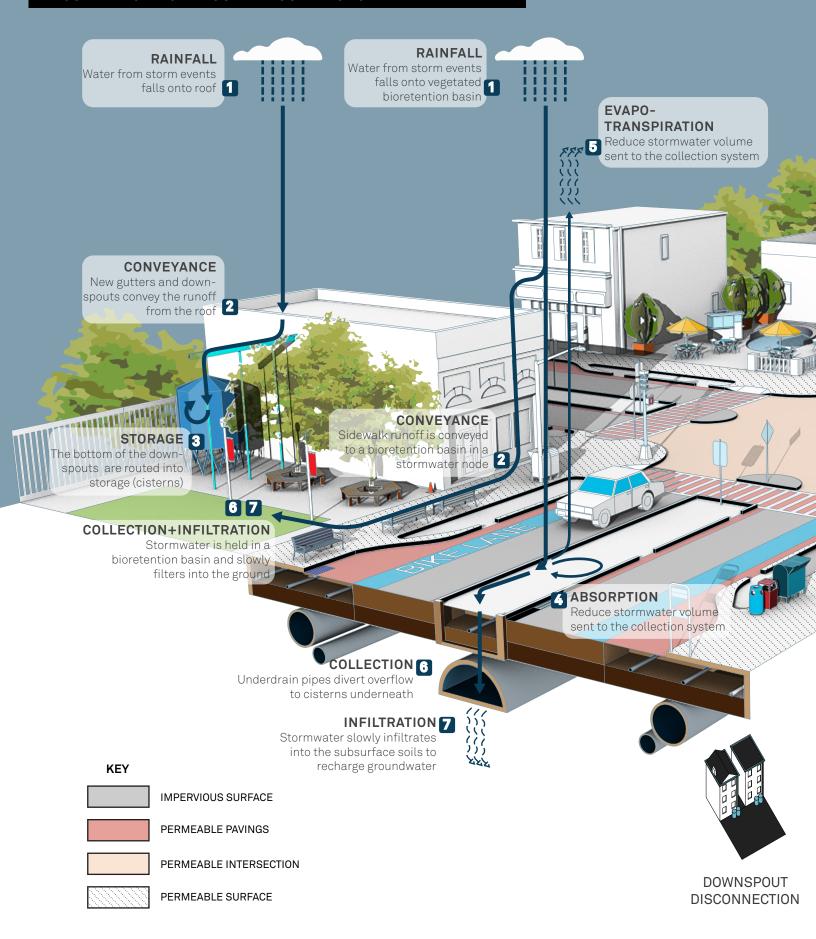
RAINWATER HARVESTING

Offset water purchases

NEW TREES

Shade nearby buildings to reduce heating and cooling costs

GREEN INFRASTRUCTURE PERFORMANCE IN THE COMMERCIAL & INDUSTRIAL CORRIDORS





COMMERCIAL + INDUSTRIAL CORRIDORS TOOLS



BIORETENTION BASIN



FLOW-THROUGH PLANTER (BIORETENTION)



RAINWATER HARVESTING



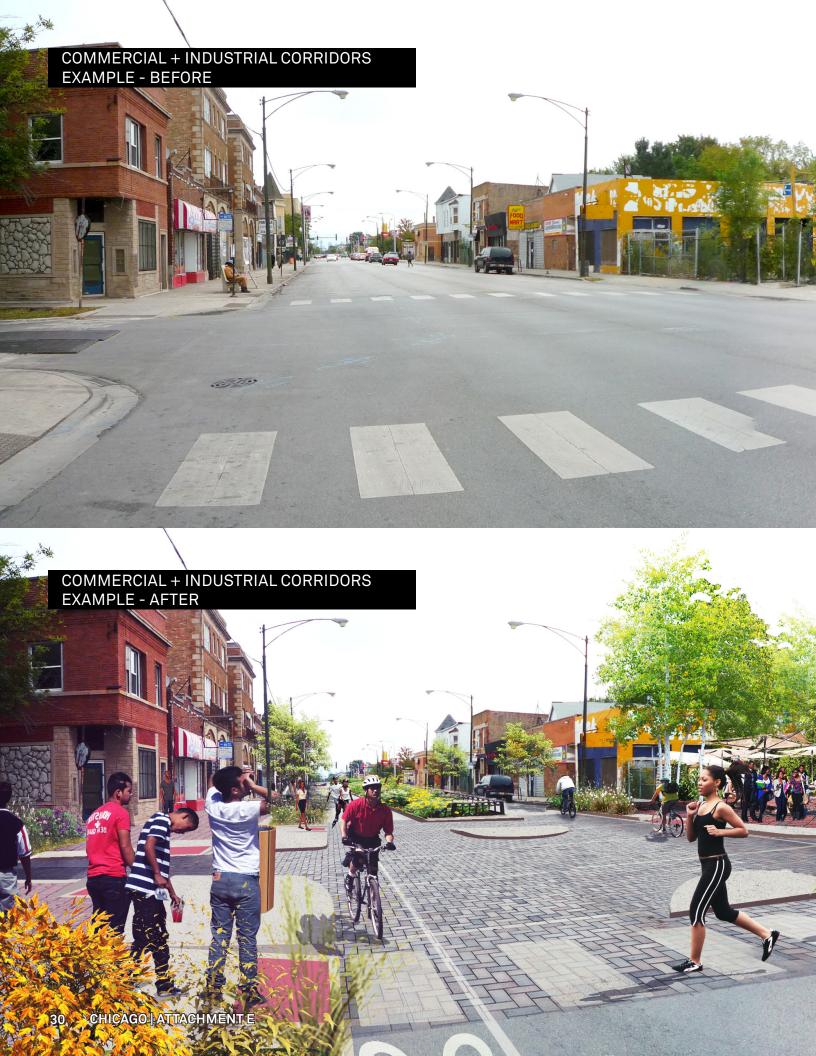
PERMEABLE PAVEMENT



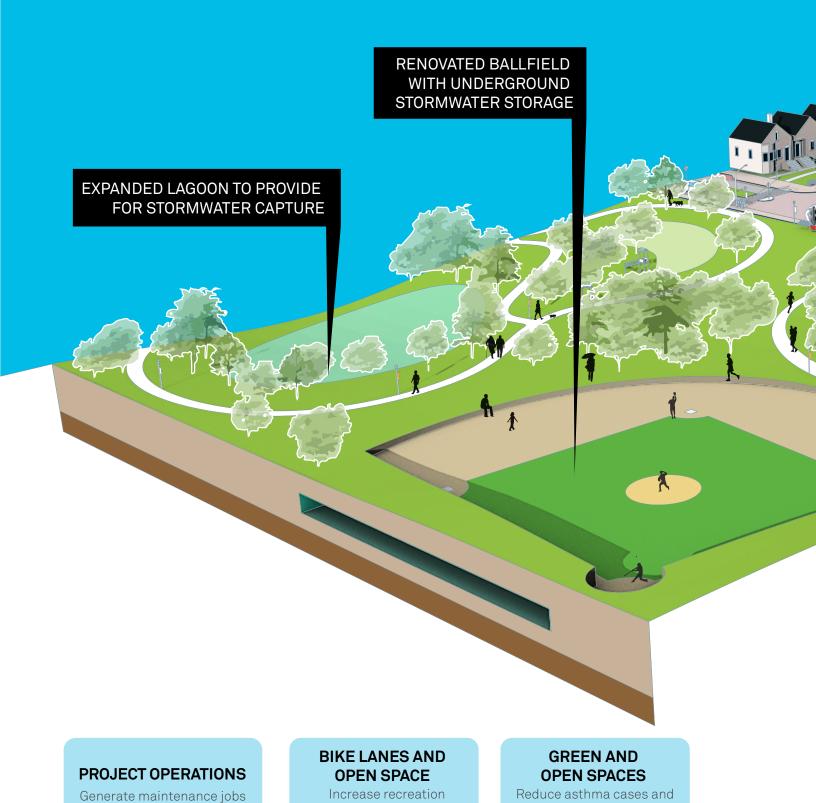
URBAN AGRICULTURE



STREET TREE PLANTING







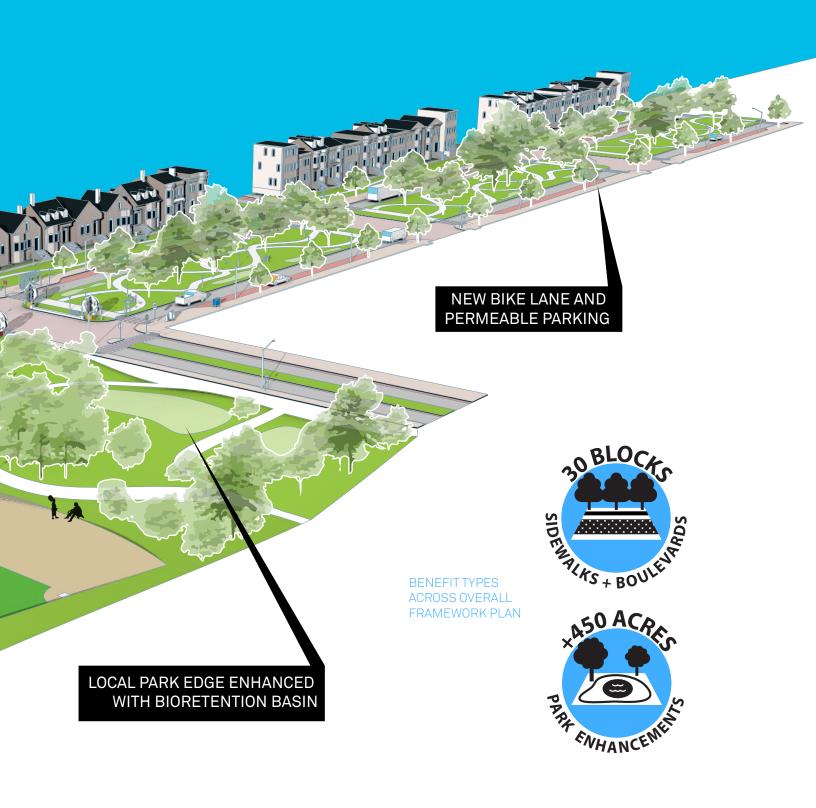
opportunities and improve

health and mobility

lower treatment costs for

diabetes

CHICAGO | ATTACHMENT E



GREEN INFRASTRUCTURE

Reduce stormwater runoff and nutrient pollution

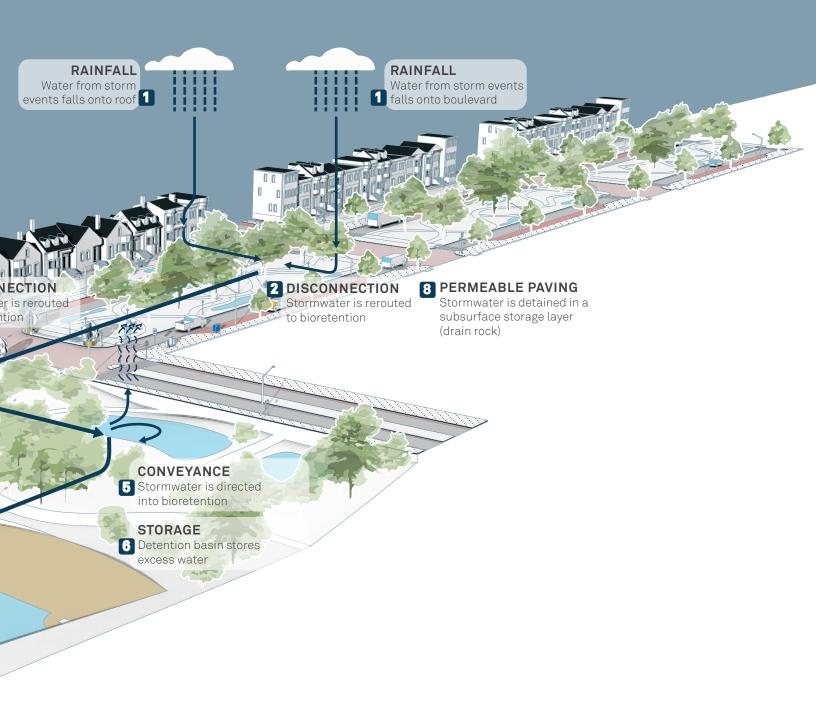
OPEN SPACE AND NEW HABITAT

Improve ecosystem and increase biodiversity

NEW TREES

Reduce urban heat-island effects

GREEN INFRASTRUCTURE PERFORMANCE IN THE PARKS + BOULEVARDS RAINFALL Water from storm events falls onto park **EVAPO-TRANSPIRATION** Reduce stormwater volume sent 3 to the collection system DISCON Stormwate **ABSORPTION** 2 to bioreter Reduce stormwater volume 4 sent to the collection system CONVEYANCE Stormwater is directed 5 into bioretention STORAGE Detention basin stores excess water 6 **INFILTRATION** Stormwater slowly infiltrates into the 7 subsurface soils to recharge groundwater **KEY** BIORETENTION/DETENTION BASIN **IMPERVIOUS SURFACE** PERMEABLE PAVINGS PERMEABLE INTERSECTION PERMEABLE SURFACE



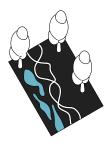
PARKS & BOULEVARDS TOOLS



DETENTION BASIN



DOWNSPOUT DISCONNECTION



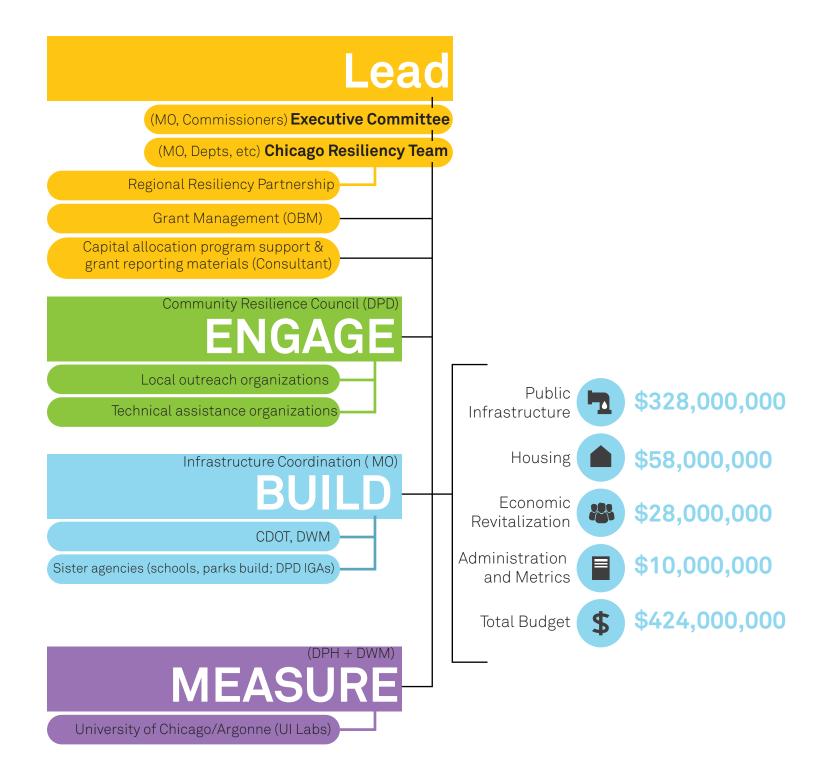
BIORETENTION BASIN



PERMEABLE PAVEMENT







STAKEHOLDER / ORGANIZATION KEY

City of Chicago Mayor's Office (MO)
City of Chicago Office of Budget Management (OBM)
City of Chicago Department of Planning and Development (DPD)
Chicago Department of Transportation (CDOT)

Chicago Department of Water Management (DWM) Chicago Department of Public Health (DPH) Intergovernmental Agreement (IGA)

IMPLEMENTATION STAKEHOLDERS / ORGANIZATIONS + FUNDING + SCHEDULE

 2015
 2016
 2017
 2018
 2019
 2020

 Q4 Q1 Q2 Q3 Q4
 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4

LEAD

Executive Committee Meetings

Chicago Resiliency Team Meetings

Federal Award + Funding Alignment

ENGAGE

Community Resilience Council

Little Village + North Lawndale Plans

Street + Park-Specific Task Forces

Climate Smart Neighborhood Tool

BUILD

Contracting

Public Infrastructure

Housing

Economic Revitalization

MEASURE

Pre-performance Phase

Check-in + Reporting